Linear

MOMO R030
Fixture Guide

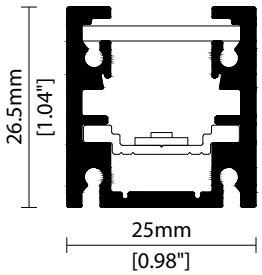
Indoor/Outdoor | Surface | Output up to 1813lm/m (552lm/ft)

Key applications

- ✓ Architectural detail
- ✓ Backlighting & signage
- ✓ Bathrooms
- ✓ Building façades
- ✓ Cove lighting
- ✓ Direct lighting
- ✓ Exterior
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Pathways/driveways
- ✓ Public spaces
- ✓ Wall grazing
- ✓ Window reveal
- ✓ Wet area

Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Glare control options
- ✓ IP54 moisture resistant
- ✓ IP67 waterproof
- ✓ Lens options
- ✓ Nano louvre



C - Diffused Cover

MOUNTING METHODS

KKCP-03 Clip

KKCP-09 Lock clip

KKBK-07 Fixing plate

KKBK-21 Adjustable bracket

Linear

MOMO R030

Specification sheet

24V DC | 30 W/m | 9.14 W/ft | ≤60.4 lm/W | IP54/67 | L70 B10 > 50000h | RoHS Compliant | LM79 Tested | LM80 Tested | TM-30 Results | IK08 Tested

Dimensions	H26.5/W25/L103-2020mm* (H1.04/W0.98/L4.05-79.53in*) *Nano Louvre = 1020mm/40.16in max
PCB Cut-point	41.7mm increment/2000mm max* (1.64in increment/78.74in max*) *Nano Louvre = 1000mm/39.37in max
LED Pitch	6.95mm-144LED/m (0.27in - 44LED/ft)
Chip	**s-line** **k-line**
Cover/Optics	Clear (100°)/Diffused (95°)/KKLN-01 Lens (14°)/ KKLN-03 Lens (23°)/Diffused + Nano Louvre (35°)
CCT	**s-line:** 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K **k-line:** 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
LED binning	**s-line:** 2-step MacAdam ellipse **k-line:** 3-step MacAdam ellipse
CRI	≥92
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T_a = -25 to 50°C (T_c max = 78°C) T_a = -13 to 113°F (T_c max = 172°F)
IP Rating	IP54/67
Finish	Silver anodised
Mounting	Surface mounting via clips or brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

LED Grading Key

Exclusive Grade

s-line*
2-step CCT range

**KKDC tuned CCT range*

Base Grade

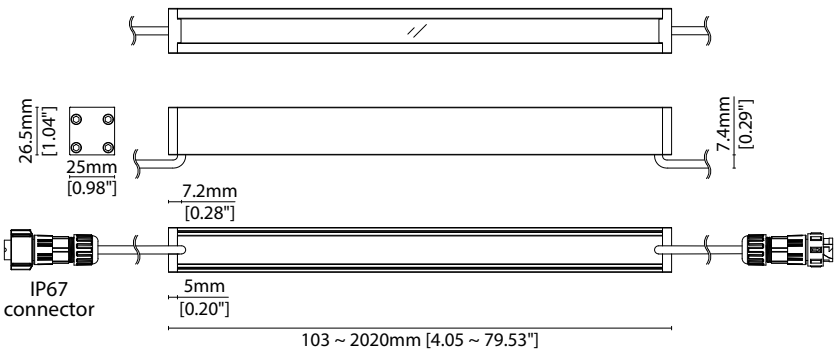
k-line
3-step commercial range
Energy Star CCTs

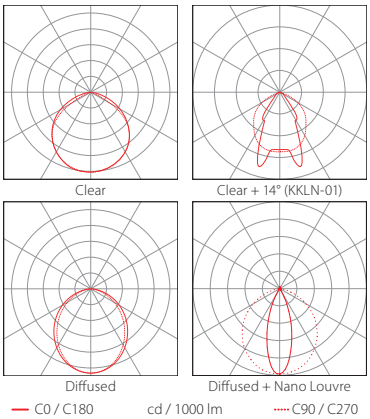
Power consumption	Supply voltage	Supply current
30W/m (9.14W/ft)	24V DC	1.25A/m (0.38A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	92	97	97	90	91	94	91	82	61	91	90	75	94	98

	Clear	Clear + KKLN-01 (14°)	Clear + KKLN-03 (23°)	Diffused Cover	Diffused + Nano Louvre	CRI	R9	Rf	Rg
s-line	1813lm/m (552lm/ft) 60.4lm/w	1084lm/m (331lm/ft) 36.1lm/w	1170lm/m (357lm/ft) 39lm/w	1034lm/m (315lm/ft) 34.5lm/w	369lm/m (112lm/ft) 12.3lm/w	93	62	-	-
k-line	1710lm/m (521lm/ft) 57lm/w	1023lm/m (312lm/ft) 34.1lm/w	1104lm/m (336lm/ft) 36.8lm/w	975lm/m (297lm/ft) 32.5lm/w	348lm/m (106lm/ft) 11.6lm/w	92	61	-	-





Data derived from independent UKAS/IESNA LM-79-08 accredited testing of production samples.

Linear

MOMO R030
Code Table

FIXTURE

Model	Finish	Cover/Lens[1]	Grade[2]	LED	Colour (CCT)	Length Availability[3]	IP	Cable Length	Power Feed[4]	Input
MOMO MM	Silver Anodised SA	Clear B	s– s	R030 R030	1900K 19	m 103.3-2020mm 83.3mm increments	IP54 54	300mm/ 11.81" 0300	Single ø4.3mm sheath tail S00A	DC 24V g
		Clear + KKLN-01 (14°)[5] P	k– k		2100K 21		IP67[8] 67		Double ø4.3mm sheath tail D00A	
		Clear + KKLN-03 (23°)[5] A			2300K 23	i 4.07-79.53in 3.28in increments			Single ø4.3mm sheath IP67 Male connector S67A	
		Diffused C			2500K 25				Double ø4.3mm sheath IP67 connector D67A	
		Diffused + Nano Louvre[6,7] CN			2700K 27	(Specify length code OR total run length)				
					3000K 30					
					3500K 35					
					4000K 40					
					5000K 50					

[1] Refer to **Cover/Lens Options** on **Options** pages
[2] Refer to **LED Grading Key** on **Specification sheet** page
[3] Refer to **Length Availability List** or enter total run length instead of length code
[4] Refer to **Power Feed Options** on **Options** pages
[5] Not compatible with k-line
[6] Max length available with Nano Louvre is 1020mm.
[7] Nano Louvre suitable for IP54 variant ONLY. Prolonged exposure to water droplets on cover surface may result in superficial peeling of Nano louvre film without affecting integrity of housing ingress
[8] Due to the clear, flush potted polyurethane top layer on IP67 MOMO a colour shift of +/- 20K should be expected

Code Example:

MM	-	SA	-	C	-	s	-	R030	-	35	-	m	520	-	67	-	0300	-	D67A	-	g
MOMO		Silver Anodised		Diffused		s–		R030		3500K			520mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V

ACCESSORIES

Mounting Accessories

KKCP-03	Clip (1no.)
KKCP-53	Clip (500no.)
KKCP-09	Lock Clip
KKBK-07	Fixing plate
KKBK-21	Adjustable bracket

* Refer to **Mounting accessories** on **Accessories** pages

Connection Accessories

CN67-2P-0300	IP67 2 PIN male & female 300mm/11.81" pair
CN67-2P-1000	IP67 2 PIN male & female 1000mm/39.37" pair
CN67-2P-3000	IP67 2 PIN male & female 3000mm/118.11" pair

* Refer to **Power feed** on **Accessories** pages

Exterior Junction Boxes

KKJB-07	IP67 Slim J-Box
KKJB-07R	Potting Resin for IP67 Slim J-Box

* Refer to **Exterior Junction Boxes** on **Accessories** pages

PSU/Driver

0-10V/1-10V/DALI/DMX

* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	R007	441	135	7	2.13	MOMO R007	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R014	904	275	14	4.27	MOMO R014	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R020	1280	390	20	6.10	MOMO R020	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R030	**1813**	**552**	**30**	**9.14**	**MOMO R030**	**103-2020mm (4.05-79.53in)**	**41.7mm (1.64in)**
	A040	3960	1207	40	12.19	MOMO A040	97-1520mm (3.82-59.84in)	38.46mm (1.51in)
Warm Dim/Dynamic White	R207	1004	306	16	4.88	MOMO R207	103-2020mm (4.05-79.53in)	83.3mm (3.28in)
RGB	501	Red: 114 Green: 244 Blue: 38 RGB: 350	Red: 35 Green: 74 Blue: 12 RGB: 107	15.6	4.75	MOMO RGB	103-2020mm (4.05-79.53in)	83.3mm (3.28in)
CHROMAX RGB	F302	Red: 98 Green: 276 Blue: 35 RGB: 394	Red: 30 Green: 84 Blue: 11 RGB: 120	20	6.10	MOMO CHROMAX RGB	83-2020mm (3.25-79.53in)	62.5mm (2.46in)
RGBW	R201	893	272	20	6.10	MOMO RGBW	155-2030mm (6.10-79.92in)	62.5mm (2.46in)
CHROMAX RGBW	F304	825	251	25	7.62	MOMO CHROMAX RGBW	155-2030mm (6.10-79.92in)	62.5mm (2.46in)

Performance data: s-line, 3000K, clear cover

Linear

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Length Availability List

KKDC

Length Code		Fixture Length[1]		LED Strip[2]		End Cap Dimension[3]		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0103	i0004	103mm	4.07in	83mm	3.28in	10mm	0.39in	2.50	175
m0145	i0006	145mm	5.71in	125mm	4.92in	10mm	0.39in	3.75	262
m0187	i0007	187mm	7.35in	167mm	6.56in	10mm	0.39in	5.00	350
m0228	i0009	228mm	8.99in	208mm	8.20in	10mm	0.39in	6.25	437
m0270	i0011	270mm	10.63in	250mm	9.84in	10mm	0.39in	7.50	525
m0312	i0012	312mm	12.27in	292mm	11.48in	10mm	0.39in	8.75	612
m0353	i0014	353mm	13.91in	333mm	13.12in	10mm	0.39in	10.00	700
m0395	i0016	395mm	15.55in	375mm	14.76in	10mm	0.39in	11.25	787
m0437	i0017	437mm	17.19in	417mm	16.40in	10mm	0.39in	12.50	875
m0478	i0019	478mm	18.83in	458mm	18.04in	10mm	0.39in	13.75	962
m0520	i0020	520mm	20.47in	500mm	19.69in	10mm	0.39in	15.00	1050
m0562	i0022	562mm	22.11in	542mm	21.33in	10mm	0.39in	16.25	1137
m0603	i0024	603mm	23.75in	583mm	22.97in	10mm	0.39in	17.50	1225
m0645	i0025	645mm	25.39in	625mm	24.61in	10mm	0.39in	18.75	1312
m0687	i0027	687mm	27.03in	667mm	26.25in	10mm	0.39in	20.00	1400
m0728	i0029	728mm	28.67in	708mm	27.89in	10mm	0.39in	21.25	1487
m0770	i0030	770mm	30.31in	750mm	29.53in	10mm	0.39in	22.50	1575
m0812	i0032	812mm	31.96in	792mm	31.17in	10mm	0.39in	23.75	1662
m0853	i0034	853mm	33.60in	833mm	32.81in	10mm	0.39in	25.00	1750
m0895	i0035	895mm	35.24in	875mm	34.45in	10mm	0.39in	26.25	1837
m0937	i0037	937mm	36.88in	917mm	36.09in	10mm	0.39in	27.50	1925
m0978	i0039	978mm	38.52in	958mm	37.73in	10mm	0.39in	28.75	2012
m1020	i0040	1020mm	40.16in	1000mm	39.37in	10mm	0.39in	30.00	2100
m1062	i0042	1062mm	41.80in	1042mm	41.01in	10mm	0.39in	31.25	2187
m1103	i0043	1103mm	43.44in	1083mm	42.65in	10mm	0.39in	32.50	2275
m1145	i0045	1145mm	45.08in	1125mm	44.29in	10mm	0.39in	33.75	2362
m1187	i0047	1187mm	46.72in	1167mm	45.93in	10mm	0.39in	35.00	2450
m1228	i0048	1228mm	48.36in	1208mm	47.57in	10mm	0.39in	36.25	2537
m1270	i0050	1270mm	50.00in	1250mm	49.21in	10mm	0.39in	37.50	2625
m1312	i0052	1312mm	51.64in	1292mm	50.85in	10mm	0.39in	38.75	2712
m1353	i0053	1353mm	53.28in	1333mm	52.49in	10mm	0.39in	40.00	2800
m1395	i0055	1395mm	54.92in	1375mm	54.13in	10mm	0.39in	41.25	2887
m1437	i0057	1437mm	56.56in	1417mm	55.77in	10mm	0.39in	42.50	2975
m1478	i0058	1478mm	58.20in	1458mm	57.41in	10mm	0.39in	43.75	3062
m1520	i0060	1520mm	59.84in	1500mm	59.06in	10mm	0.39in	45.00	3150
m1562	i0061	1562mm	61.48in	1542mm	60.70in	10mm	0.39in	46.25	3237
m1603	i0063	1603mm	63.12in	1583mm	62.34in	10mm	0.39in	47.50	3325
m1645	i0065	1645mm	64.76in	1625mm	63.98in	10mm	0.39in	48.75	3412
m1687	i0066	1687mm	66.40in	1667mm	65.62in	10mm	0.39in	50.00	3500
m1728	i0068	1728mm	68.04in	1708mm	67.26in	10mm	0.39in	51.25	3587
m1770	i0070	1770mm	69.69in	1750mm	68.90in	10mm	0.39in	52.50	3675
m1812	i0071	1812mm	71.33in	1792mm	70.54in	10mm	0.39in	53.75	3762
m1853	i0073	1853mm	72.97in	1833mm	72.18in	10mm	0.39in	55.00	3850

Linear

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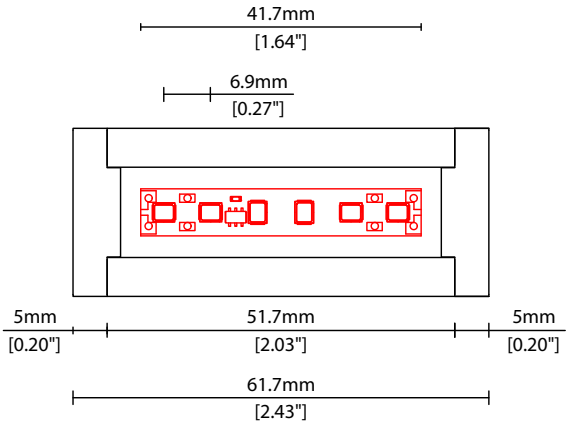
Length Availability List

Length Code		Fixture Length[1]		LED Strip[2]		End Cap Dimension[3]		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m1895	i0075	1895mm	74.61in	1875mm	73.82in	10mm	0.39in	56.25	3937
m1937	i0076	1937mm	76.25in	1917mm	75.46in	10mm	0.39in	57.50	4025
m1978	i0078	1978mm	77.89in	1958mm	77.10in	10mm	0.39in	58.75	4112
m2020	i0080	2020mm	79.53in	2000mm	78.74in	10mm	0.39in	60.00	4200

[1] Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

[2] Actual length of PCB strip

[3] Actual length of 2x end caps

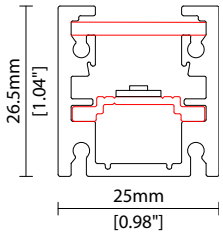


Linear

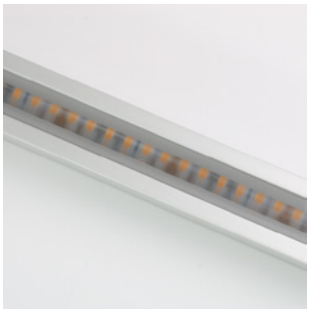
MOMO R030
Options

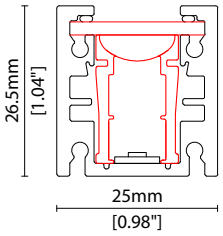
COVER/LENS OPTIONS

* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.

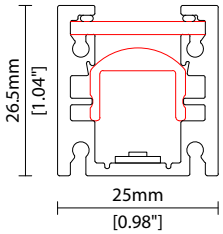


B Clear Cover
W25.0/H26.5mm (W0.98/H1.04")

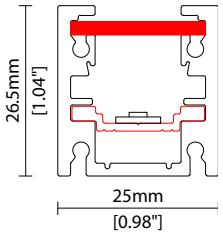




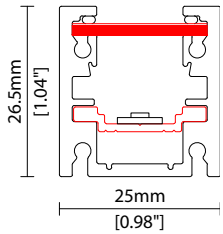
P Clear Cover +
14° lens (KKLN-01)
W25.0/H26.5mm (W0.98/H1.04")



A Clear Cover +
23° lens (KKLN-03)
W25.0/H26.5mm (W0.98/H1.04")



C Diffused Cover
W25.0/H26.5mm (W0.98/H1.04")



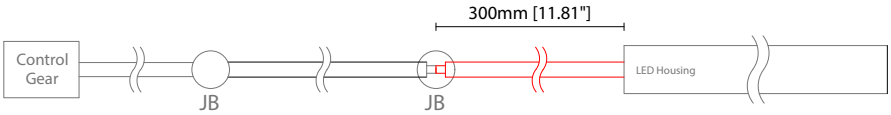
CN Diffused Cover + Nano Louvre
W25.0/H26.5mm (W0.98/H1.04")

Linear

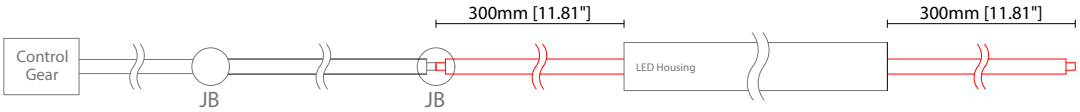
MOMO R030
Options

POWER FEED OPTIONS

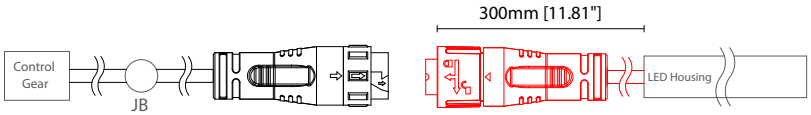
0300 S00A **300mm (11.81") Single Ø4.3mm sheath tail**



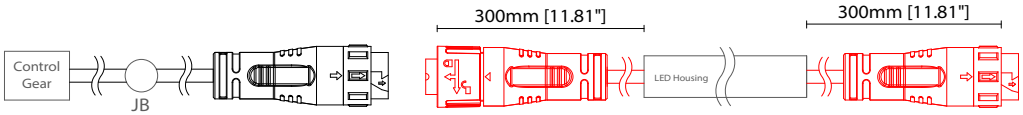
0300 D00A **300mm (11.81") Double Ø4.3mm sheath tail**



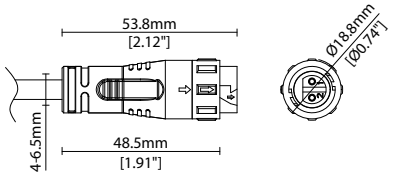
0300 S67A **300mm (11.81") Single ø4.3mm sheath connector IP67 (Premoulded)**



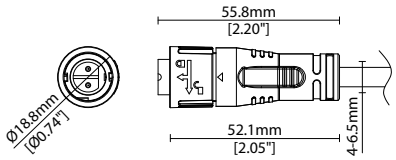
0300 D67A **300mm (11.81") Double ø4.3mm sheath connector IP67 (Premoulded)**



2 Pin Female Connector IP67 (Premoulded)



2 Pin Male Connector IP67 (Premoulded)



Key

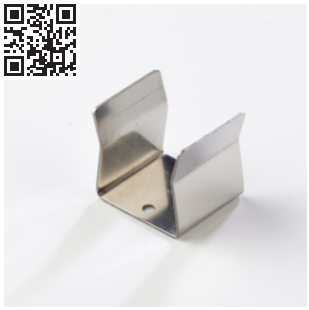
Control Gear	Power supply, sub-controllers & control systems
JB	Junction box / cable connection

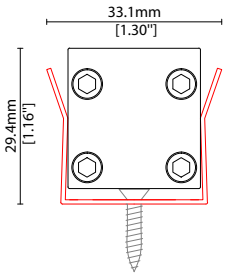
Linear

MOMO R030
Accessories

MOUNTING ACCESSORIES

Note: Accessories are to be ordered separately with corresponding code shown below.



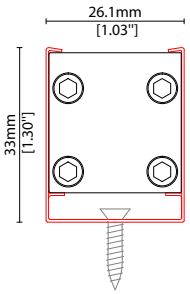


KKCP-03 (1no.)
KKCP-53 (500no.)

Clip (allow 3 per metre/40in)

S/Steel finish

L25/W33.1/H29.4mm
(L0.98/W1.3/H1.16")

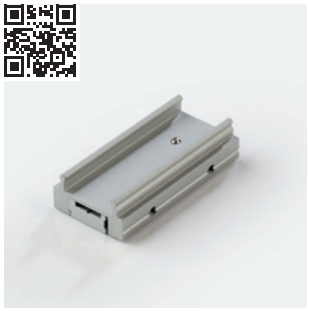


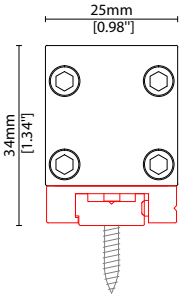
KKCP-09

Lock clip (allow 2 per metre/40in)

S/Steel finish

L25/W26.1/H33mm
(L0.98/W1.03/H1.3")





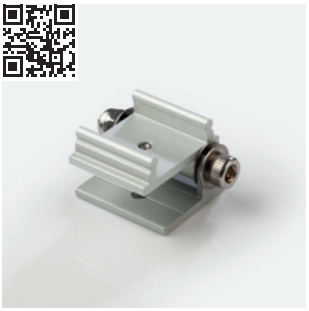
KKBK-07

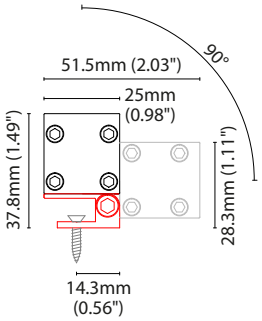
Fixing plate (allow 2 per metre/40in)

Anodised aluminium finish

L50/W25/H34mm
(L1.97/W0.98/H1.34")

Pre-assembled in factory





KKBK-21

Adjustable bracket
(allow 2 per metre/40in)

Anodised aluminium finish

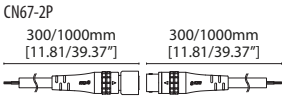
L34/W25/H37.8mm
(L1.34/W0.98/H1.49")

Pre-assembled in factory

Linear

MOMO R030
Accessories

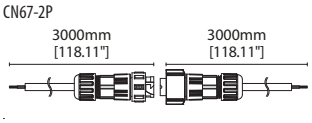
POWER FEED



CN67-2P-0300 300mm (11.81in) pair
CN67-2P-1000 1000mm (39.37in) pair

IP67

2 PIN male + female connector set



CN67-2P-3000 3000mm (118.11in) pair

IP67

2 PIN male + female connector set

EXTERIOR JUNCTION BOXES

KKJB-07

IP67 Slim J-Box
(including type A,B,C, D bushings)

KKJB-07R

Potting resin for IP67 Slim J-Box

Linear

MOMO R030
Accessories

KKDC CONTROL

IP20

Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)

KKDM-06 1-10V

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20

Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)

KKSC-05 DMX

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20

Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)

KKDL-02 DALI

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20

Plastic housing
L166/W53.4/H23mm
(L6.54/W2.10/H0.91in)

KKDL-03 DALI

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20

Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)

KKDL-04 DALI-2

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

Linear

MOMO
Driver/PSU Options

AVAILABLE PSU OPTIONS

Control Mode	PSU (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating
Switched	CEN-60-24	90-295V	24V	2.5A	60W	-	IP67
	HLG-60H-24	90-305V	24V	2.5A	60W	-	IP67
	HLG-100H-24	90-305V	24V	4.0A	100W	-	IP67
	HLG-150H-24	90-305V	24V	6.3A	150W	-	IP67
	HLG-240H-24	90-305V	24V	10A	240W	-	IP67
0-10V (1-10V)	PWM-40-24	90-305V	24V	1.67A	40W	100-0.15 (100-10)	IP67
	PWM-60-24	90-305V	24V	2.5A	60W	100-0.15 (100-10)	IP67
	PWM-90-24	90-305V	24V	3.67A	90W	100-0.15 (100-10)	IP67
	PWM-120-24	90-305V	24V	5.0A	120W	100-0.15 (100-10)	IP67
DALI	LIN100A1	120-277V	24V	1A per channel	100W	100-0.1	IP66/IP40
DMX RGB	LIN100A1	120-277V	24V	1.33A per channel	100W	100-0.1	IP66/IP40
DMX RGBW	LIN100A1	120-277A	24V	1A per channel	100W	100-0.1	IP66/IP40

Flicker Free Options - Combination of PSU+ sub-controller

Control Mode	PSU (Order Code)	Sub-controller (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating PSU/ Sub-controller
0-10V or 1-10V	CEN-60-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-06	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-06	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-06	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-05	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-05	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-05	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-05	90-305V	24V	10.0A	240W	100-0.9	IP67/IP20

[1] The items shown above cover the most frequently used specification but does not exhaust the possible options

[2] PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

[3] Electrical shop drawing will include detailed information of PSU and relevant control drivers

[4] Cut sheets are available on the controls section of **www.kkdc.lighting** or upon request